

Daily GLOWBUGS

Digest: V1 #67

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%%

Subject: glowbugs V1 #67

glowbugs

Monday, June 30 1997

Volume 01 : Number 067

Date: Sun, 29 Jun 1997 12:32:44 -0400 (EDT)

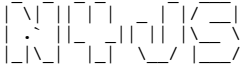
From: n4js@usa.net

Subject: Home page

I have added some links to my QRP page. The URL for my Ham Radio page is below. You can click on the QRP page from there. Hope to be adding more pictures. Right now, about all of the rigs are...solid state.. (sorry).

However, at the very least, if you are not a member of F.I.S.T.S., check out their page! (unpaid political advertisement ;-)

Sent at 12:36:33 on 29-Jun-97

	John L. Sielke n4js@usa.net n4js@pobox.com n4js@n4js.ampr.org NJ Grid:FM29LN http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884 QRP-ARCI #9328 NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS#243 ex: K3HLU, W7JEF, W4MPC, TF2WKT
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Date: Sun, 29 Jun 1997 10:51:51 -0600 (MDT)

From: Shane <toyboat@freenet.edmonton.ab.ca>

Subject: Re: John Ruskin Special...problem

On Sat, 28 Jun 1997, Art Winterbauer wrote:

> I'm not sure why there is shown a tap from the heater filament on pin
> 2 going off to the ground side of the HV supply (and hence to the
> key).

This is wrong, I think.

> If anyone has that article, could they check this out to see if
> that connection dot on the schematic is in the wrong place--that
> instead of showing a connection to the negative high-voltage DC
> supply, the dot should be moved up to the .01uF paper capacitor?

I have the original article, from 1946. (The Most Inexpensive Transmitter - by Byron Goodman W1DX, QST, Dec, 1946)

In this original oscillator, which is identical to the John Ruskin Special, every bit of the construction is identical, except for the use of plastic-covered wire and tiny details.

The Goodman schematic shows heater leads 2 and 7 as leads which are drawn crossing over, but not connecting to the B- common connection. These heater leads become part of a simple power harness, along with a B+ lead and B- lead. All 4 wires are bundled, tied with string, and wired to an octal plug salvaged from a tube.

In the Goodman schematic, the common B- connection is shown connected through a .01uF capacitor to the common B+ connection. The screen (pin 4) and plate tuning tank also connect to the B+

common. Plate (pin 3) connects to the other end of the tank circuit. The crystal is connected from control grid (pin 5) to cathode (pin 8). The RF choke is connected from (pin 5), then in series with a 100K/1W resistor. The other end of the resistor connects to the B- common. The cathode tuned circuit is connected at one end to (pin 8) and at the other end to a key lead connection. The second key lead connection is to B-. Another .01uF capacitor is connected across the key leads (from the cathode tuned circuit key lead end to B-).

In the Goodman version of this oscillator, heater connections 2 and 7 are only connected to the 6.3 VAC winding of the power trafo through the power harness and plug. No ground connections or commons for the heater in this oscillator.

I built this transmitter using the wooden chassis, with a companion power supply on another wooden chassis, but used a slightly different oscillator circuit which eliminated the need for the cathode tuned circuit (Fred Sutter, QSL Forty). The coils are the Goodman ones, as described in the John Ruskin Special.

The power harness is as in the Goodman transmitter (Pins 2 and 7 connect only through harness wires to power plug). Used the #18 plastic-covered wire throughout, as my bell wire substitute.

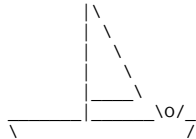
Works great into my 15 Watt light bulb, as dummy load, with 355 VDC (key down) delivered to both the plate and the screen. Colorburst crystal handles the current fine. Sounds great on my Heathkit HR-10B receiver.

> If the schematic makes sense to everyone, then I'll start
> troubleshooting my connections, whether the 6L6 metal tube I'm using
> is good, etc. I've been stung before on an incorrectly printed
> schematic in CQ before and don't want to chase me tail.

Did the heater get any B+ across it (zap!)?

> Thanks! & 73 de Art, WA5OES

Regards,
Shane Wilcox



~~~~~  
Shane <toyboat@freenet.edmonton.ab.ca>  
~~~~~

Date: Sun, 29 Jun 1997 15:48:29 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
Subject: Field Day and the GRC-109...

Unfortunately, we were "coerced" into fulfilling business and family commitments yesterday so missed most of FD. BUT...when we went to our friend's birthday party, I managed to get the GN-58 and GRC-109 into the

car before we left. Talked some well-oiled birthday party patrons into cranking the GN-58 long enough to make a contact or two on 20, and several on 40. Antenna was some electric fence wire rolled out and slung between a basket-ball hoop and an old swing set about 60 feet apart and about 10 feet high. Took all of 10 minutes to set up the station and get on the air.

Weren't a lot of signals, but what were there sounded good.

Then, this afternoon about 2200, worked ON9CFN on 14030 with the GRC-109.

Great fun. Any other 109s out there?

Ken W7EKB

Date: Sun, 29 Jun 1997 20:29:24 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
Subject: Possibly VERY ...

useful URL discovered this evening. I suppose many of you already know of this site, but for those who don't here it is:

<http://www.electrosys.com/>

This site appears to have the greatest collection of manuals, schematics, SAMS', etc., I have ever seen gathered in one place, and their prices don't seem to be to be out of line.

I printed off their list of manuals for letters E through H and it ran to 12 pages. Includes EH Scott SLR-12A, 12B, F, and H, 3.5 pages of Hallicrafters stuff including the HT-9, 4 pages of Heath stuff, 1.5 pages of Hammerlund, 1 pages of Gonset, etc.

Take a look.

Kenneth G. Gordon W7EKB		College of Mines and Earth Resources
226 N. Washington St.	//or//	University of Idaho
Moscow, Idaho 83843		Moscow, Idaho 83844
(208)-882-8745		(208)-885-6133
Great Highland Pipes, Amateur Radio, Electronic Consulting, Home-Schooling		
Traditional Roman Catholic		
My PGP Public Key Upon Request.		

Date: Sun, 29 Jun 1997 20:36:17 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
Subject: Useful URL...(continued)...

I forgot to tell you all that this URL connects you to Electro Communication Systems, Inc. in Dallas, Texas, but don't let their opening page throw you. I was truly amazed at what I saw there.

Again, the URL is:

<http://www.electrosys.com/>

I hope you all find it useful.

Take care, and 73,

Ken W7EKB

Date: Sun, 29 Jun 1997 23:27:48 -0500 (CDT)
From: mjsilva@ix.netcom.com (michael silva)
Subject: Re: Useful URL...(continued)...

><http://www.electrosys.com/>

Took a look and discovered that these are the folks putting all of QST on CD-ROM. Now THAT will be a good read! They *say* by the end of the year...

73,
Mike, KK6GM

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I hope you all find it useful.

Take care, and 73,

Ken W7EKB

Date: Mon, 30 Jun 1997 00:47:34 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
Subject: T-350-XM...

anyone know what this is and where I might find one ? Manuals for it ?

Ken W7EKB

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Ken W7EKB

Date: Mon, 30 Jun 1997 13:03:43 +0100
From: BOB DUCKWORTH <bob@atl.org>
Subject: sendmail reconfig test

I'm trying to resolve a problem in which some mailers reject
mail from karishma.com because of a trailing '.'
Please near with me.

Jeffrey H.

If you receive a direct copy (this), your normal forwarded copy,
ad a third from karishma.com, please send me some mail and let me know.

It's 1PM here so I expect you to be up and at work by now :-)

- bob

End of glowbugs V1 #67

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Created by **Steve Modena, AB4EL**
Comments and suggestions to **modena@SunSITE.unc.edu**
